# TEAC

COMPACT
disc
DIGITAL AUDIO

# EX-M3

## CD RECEIVER SYSTEM

### OWNER'S MANUAL



TEAC

TEAC

POWER (BAND) OPEN/CLOSE

TUNER TAPE CD

TIMER TIME MODE REPEAT

PRESET UP TUNING

EEPS MEMORY VOLUME

TIME SET

PHONES

CD/CASSETTE MICRO SYSTEM EX-M3
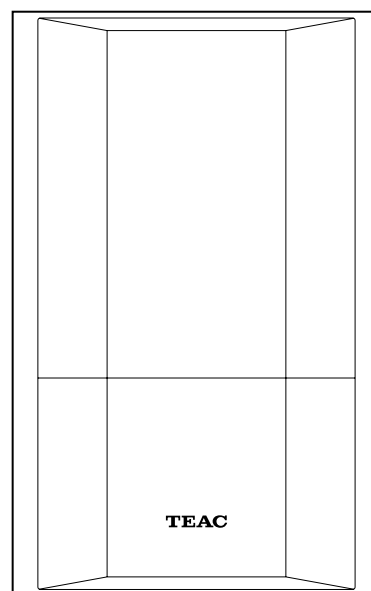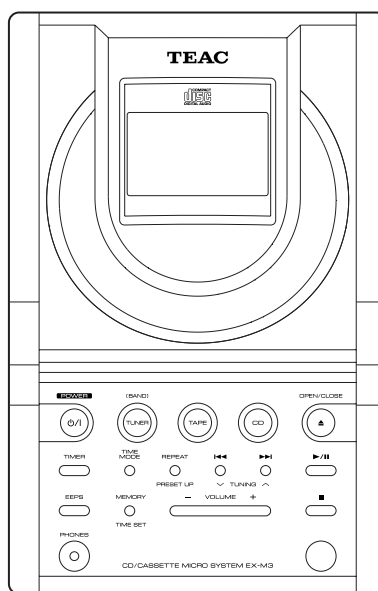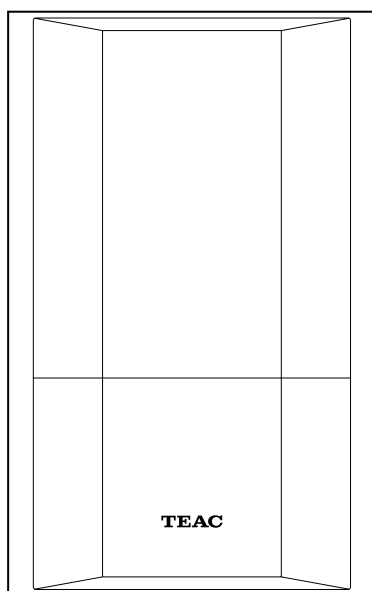
## CAUTION
### RISK OF ELECTRIC SHOCK
### DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
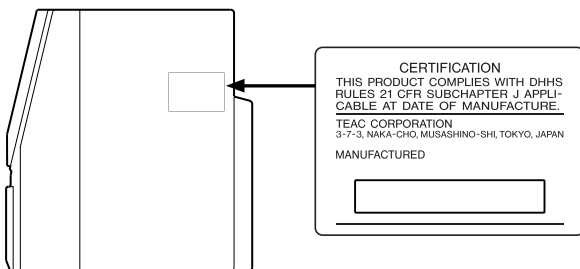
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING : TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

This product has been designed and manufactured according to FDA regulations "title 21, CFR, chapter 1, subchapter J, based on the Radiation Control for Health and Safety Act of 1968", and is classified as class 1 laser product. There is not hazardous invisible laser radiation during operation because invisible laser radiation emitted inside of this product is completely confined in the protective housings.
The label required in this regulation is shown ①.

① For U.S.A.

CERTIFICATION
THIS PRODUCT COMPLIES WITH DHHS RULES 21 CFR SUBCHAPTER J APPLI-CABLE AT DATE OF MANUFACTURE.
TEAC CORPORATION
3-7-3, NAKA-CHO, MUSASHINO-SHI, TOKYO, JAPAN
MANUFACTURED

**Optical pickup:**

| | | |
|---|---|---|
| Type | : | SF-P200Z |
| Manufacturer | : | SANYO Electric Co., Ltd. |
| Laser output | : | Less than 0.5 mW on the objective lens |
| Wavelength | : | 765 - 815 nm |

## For U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the equipment and/or the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.
**CAUTION**
Changes or modifications to this equipments not expressly approved by TEAC CORPORATION for compliance will void the user's warranty.

## For CANADA

AC POWER CORD CONNECTION
### CAUTION:
TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

## Pour le CANADA

CORDE DE CONNEXION CA
### ATTENTION:
POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

**CAUTION**
● DO NOT REMOVE THE PROTECTIVE HOUSING USING SCREWDRIVER.
● USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
● IF YOU SHOULD EXPERIENCE ANY PROBLEMS WITH THIS PRODUCT THAT CANNOT BE RESOLVED WITH THE "TROUBLESHOOTING" SECTION LATER IN THIS MANUAL, CONTACT A TEAC AUTHORIZED SERVICE AGENCY. DO NOT CONTINUE TO USE THE PRODUCT UNTIL THE PROBLEM IS RESOLVED.

# CAUTION

● Read all of these Instructions.
● Save these Instructions for later use.
● Follow all Warnings and Instructions marked on the audio equipment.

**1) Read Instructions** — All the safety and operating instructions should be read before the product is operated.

**2) Retain Instructions** — The safety and operating instructions should be retained for future reference.

**3) Heed Warnings** — All warnings on the product and in the operating instructions should be adhered to.

**4) Follow Instructions** — All operating and use instructions should be followed.

**5) Cleaning** — Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

**6) Attachments** — Do not use attachments not recommended by the product manufacturer as they may cause hazards.

**7) Water and Moisture** — Do not use this product near water — for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

**8) Accessories** — Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

**9)** A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

**10) Ventilation** — Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

**11) Power Sources** — This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
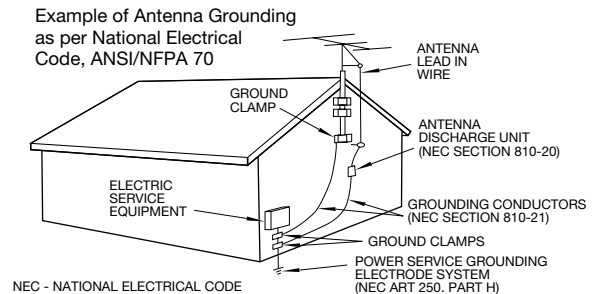
**12) Grounding or Polarization** — This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

**13) Power-Cord Protection** — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

**14) Outdoor Antenna Grounding** — If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

**Note to CATV system installer:**
This reminder is provided to call the CATV system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical."



Example of Antenna Grounding as per National Electrical Code, ANSI/NFPA 70
ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
ELECTRIC SERVICE EQUIPMENT
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250. PART H)
NEC - NATIONAL ELECTRICAL CODE

**15) Lightning** — For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

**16) Power Lines** — An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

**17) Overloading** — Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in risk of fire or electric shock.

**18) Object and Liquid Entry** — Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

**19) Servicing** — Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

**20) Damage Requiring Service** — Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

**a )** when the power-supply cord or plug is damaged.

**b )** if liquid has been spilled, or objects have fallen into the product.

**c )** if the product has been exposed to rain or water.

**d )** if the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

**e )** if the product has been dropped or damaged in any way.

**f )** when the product exhibits a distinct change in performance _ this indicates a need for service.

**21) Replacement Parts** — When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

**22) Safety Check** — Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

**23) Wall or Ceiling Mounting** — The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

**24) Heat** — The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

# Contents

**Thank you for choosing TEAC. Read this manual carefully to get the best performance from this unit.**

# Before Use

**Read this before operation**

- As the unit may become warm during operation, always leave sufficient space around the unit for ventilation.
- The voltage supplied to the unit should match the voltage as printed on the rear panel. If you are in any doubt regarding this matter, consult an electrician.
- Choose the installation location of your unit carefully. Avoid placing it in direct sunlight or close to a source of heat. Also avoid locations subject to vibrations and excessive dust, heat, cold or moisture.
- Do not place the unit on any high heat-producing units like your amplifier/receiver.
- Do not open the cabinet as this might result in damage to the circuitry or electrical shock. If a foreign object should get into the set, contact your dealer or service agency.
- When removing the power plug from the wall outlet, always pull directly on the plug, never yank the cord.
- To keep the laser pickup clean, do not touch it, and do not forget to close the flap lid when not using the CD player.
- Do not attempt to clean the unit with chemical solvents as this might damage the finish. Use a clean, dry cloth.
- Keep this manual in a safe place for future reference.

### DO NOT MOVE THE UNIT DURING CD PLAYBACK

During playback, the disc rotates at high speed. Do NOT lift or move the unit during playback. Doing so may damage the disc.

### WHEN MOVING THIS UNIT

When changing places of installation or packing the unit for moving, be sure to remove the disc. Then, press the power switch to turn the power off, and disconnect the power cord. Moving this unit with the disc loaded may result in damage to this unit.

## Beware of condensation

When the unit (or a disc) is moved from a cold to a warm place, or used after a sudden temperature change, there is a danger of condensation; vapor in the air could condense on the internal mechanism, making correct operation impossible. To prevent this, or if this occurs, leave the unit for one or two hours with the power turned on. The unit will stabilize at the temperature of its surroundings.

## Maintenance

If the surface of the unit gets dirty, wipe with a soft cloth or use diluted neutral cleaning liquid. Be sure to remove any fluid completely. Do not use thinner, benzine or alcohol as they may damage the surface of the unit.

**Discs which can be played on this unit:**

• Conventional audio CDs bearing the CD-DA logo on the label:

**COMPACT**
**disc**
**DIGITAL AUDIO**

• Properly finalized CD-R discs

**Note:**
● Depending on the quality of the disc and/or the condition of the recording, some CD-R discs may not be playable.
● CD-RW discs cannot be played on this unit.
● Copy-protected discs and other discs which do not conform to the CD standard may not play back correctly in this player.
If you use such discs in this unit, TEAC Corporation and its subsidiaries cannot be responsible for any consequences or guarantee the quality of reproduction. If you experience problems with such non-standard discs, you should contact the producers of the disc.

● Always place the disc on the disc tray with the label side uppermost. (Compact discs can be played or recorded only on one side.)

● To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.

How to remove the disc          How to hold the disc

● Should the disc become dirty, wipe the surface radially with a soft, dry cloth.

● Never use such chemicals as record sprays, antistatic sprays or fluid, benzine or thinner to clean the discs. Such chemicals will do irreparable damage to the disc's plastic surface.

● Discs should be returned to their cases after use to avoid dust and scratches that could cause the laser pickup to "skip."

● Do not expose discs to direct sunlight or high humidity and temperature for extended periods. Long exposure to high temperatures will warp the disc.

● CD-R discs are more sensitive to the effects of heat and ultraviolet rays than ordinary CDs. It is important that they are not stored in a location where direct sunlight will fall on them, and which is away from sources of heat such as radiators or heat-generating electrical devices.

● Printable CD-R discs aren't recommended, as the label side might be sticky and damage the unit.

● Do not stick papers or protective sheets on the discs and do not use any protective coating spray.

● Use a soft oil-based felt-tipped pen to write the information on the label side. Never use a ball-point or hard-tipped pen, as this may cause damage to the recorded side.

● Never use a stabilizer. Using commercially available CD stabilizers with this unit will damage the mechanisms and cause them to malfunction.

● Do not use irregular shape CDs (octagonal, heart-shape, etc.). CDs of this sort can damage the unit.
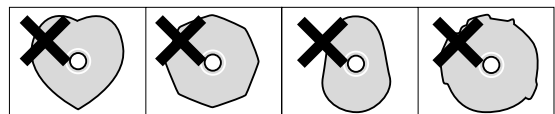
● If you are in any doubt as to the care and handling of a CD-R disc, read the precautions supplied with the disc, or contact the disc manufacturer directly.

## Cassette Tape

### Tape Selection

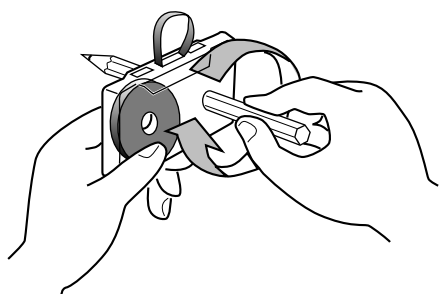Metal and chrome (cobalt) tapes have identification holes.

● This unit can play normal (TypeI) tape only.
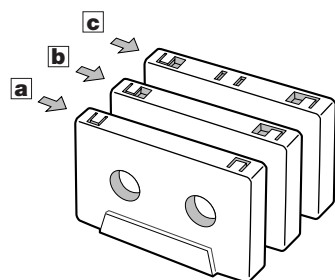


a Normal (TypeI)
b CrO2 (TypeII)
c Metal (TypeIV)

### Tape Handling

Use your finger or a pencil to turn the cassette's hub and take up any slack tape.



● Avoid touching the tape. Fingerprints attract dust and dirt.

**Do not store tapes in the following places:**
● On top of heaters, exposed to direct sunlight or in any other places with high temperatures.
● Near speakers, on TV sets or amplifiers or where they would be exposed to strong magnetic fields.
● Where humidity is high and in dirty, dusty places.

● Avoid dropping or subjecting cassettes to excessive shocks.
● As C-120 tapes are physically weak and could become entangled in the transport mechanism, do not use them.

### Maintenance

The heads and tape path should be cleaned and demagnetized periodically.

**Cleaning Tape Path**
● Apply head cleaning fluid to a cotton swab or soft cloth, and lightly rub the heads**A**, capstan**B** and all metal parts in the tape path.
● Also clean the pinch roller**C** using rubber cleaning fluid.
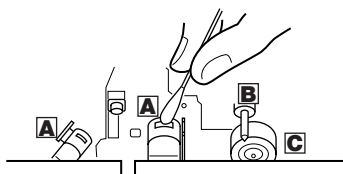


**Demagnetizing Heads**

Be sure that the power is off, then demagnetize the heads using a demagnetizer. For details of its use, read its instructions.

## Battery Installation

### Remote Control Unit
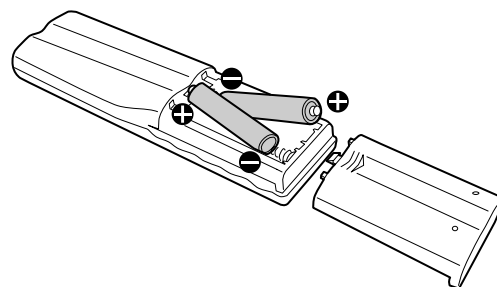


**Battery Replacement**

If the distance required between the remote control unit and main unit decreases, the batteries are exhausted. In this case replace the batteries with new ones.

**Precautions concerning batteries**
● Be sure to insert two "AA"(R6, SUM-3) dry batteries with correct positive "⊕" and negative "⊖" polarities.
● Use batteries of the same type. Never use different types of batteries together.
● Rechargeable and non-rechargeable batteries can be used. Refer to the precautions on their labels.
● When the remote control unit is not to be used for a long time (more than a month), remove the batteries from the remote control unit to prevent them from leaking. If they leak, wipe away the liquid inside the battery compartment and replace the batteries with new ones.
● Do not heat or disassemble batteries and never dispose of old batteries by throwing them in a fire.

### Main Unit
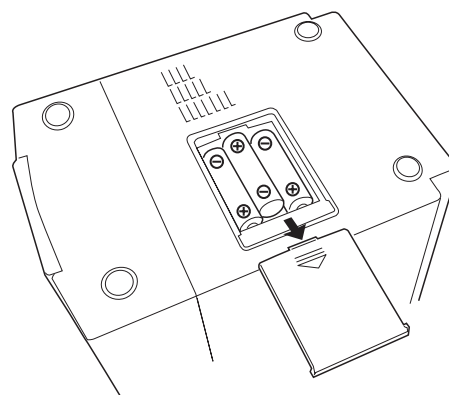


(Underside of the unit)

These batteries supply a backup power to a built-in clock when the unit is momentarily disconnected from the AC power line.

## Using the Remote Control Unit

The provided Remote Control Unit allows the unit to be operated from a distance (with the exception of the tape transport). When operating the remote control unit, point it towards the remote sensor on the front panel of the unit.

● Even if the remote control unit is operated within the effective range, remote control operation may be impossible if there are any obstacles between the unit and the remote control.
● If the remote control unit is operated near other appliances which generate infrared rays, or if other remote control devices using infrared rays are used near the unit, it may operate incorrectly. Conversely, the other appliances may operate incorrectly.

# *Connections*
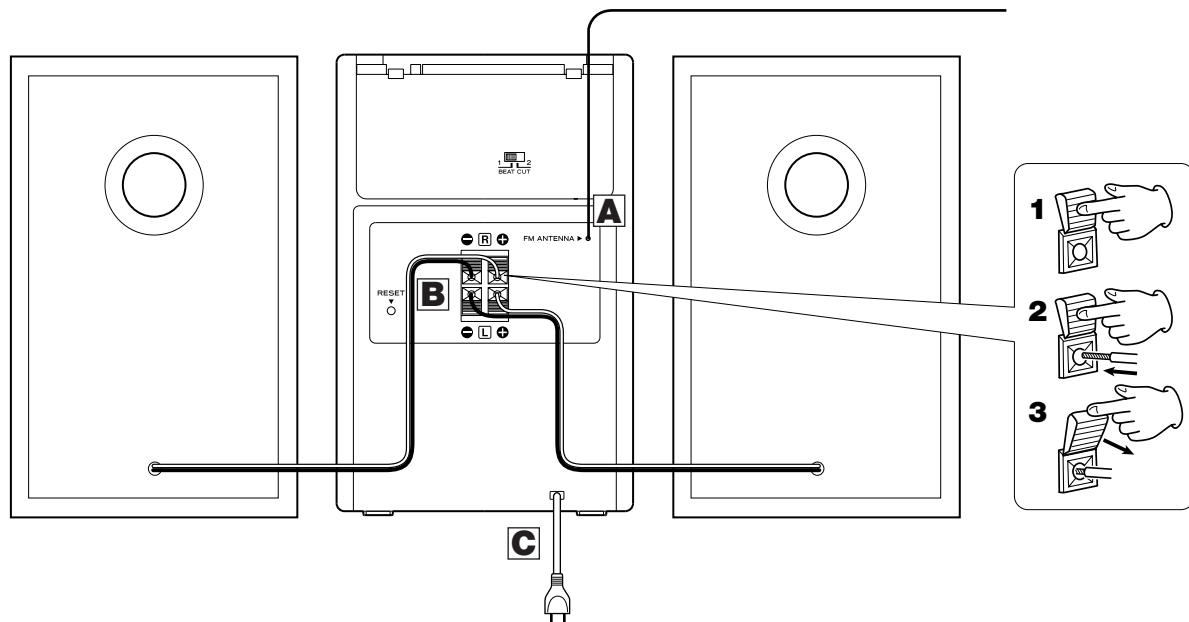


## CAUTION

Do not plug the power cord of any component into AC outlets and do not turn their POWER switches on until all connections have been performed.

### Ⓐ FM feeder antenna

Extend the lead and fix it to a window frame or wall with thumbtacks or the like, where reception is best.

### Ⓑ SPEAKERS

Please connect the black cord to ⊖ and the cord with gray print to ⊕.

### Ⓒ AC power cord

Connect this cord to the electrical outlet.

**7**
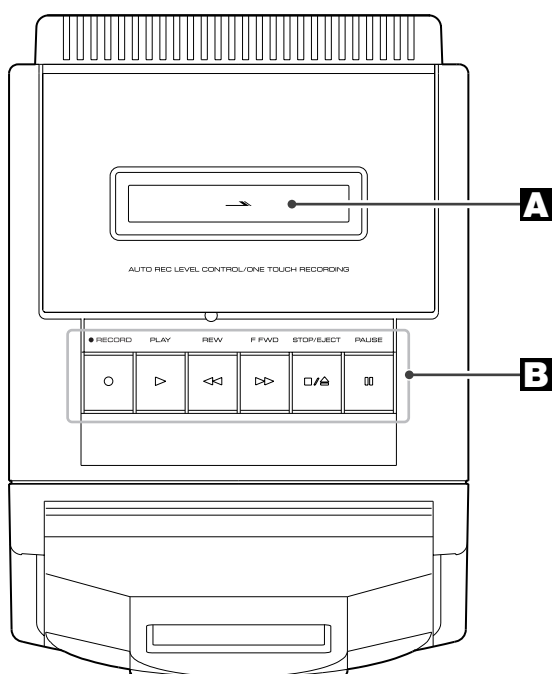
**TOP**

**A** **Cassette holder**

**B** **Tape transport control buttons**

**FRONT**

**C** **POWER button**

Turns on and off the power of this unit.

> The equipment draws nominal non-operating power from the AC outlet with its POWER switch in the OFF position.

**D** **TIMER button**

This button is used to disable and enable a preset timer-on/-off time.

**E** **EEPS button (Electronic Equalizer Preset System)**

This button offers Flat, Rock, Jazz, Pop and Classic modes.

**F** **PHONES jack**

Connect optional headphones to this jack.

**G** **TIME MODE button**

To switch between different modes of time.

**H** **MEMORY / TIME SET button**

This button is used for programed playback of CD or to preset broadcasts. Also used to change between the hours and the minutes when setting a built-in clock or timer-on or -off times.

**I** **REPEAT / PRESET UP button**

While in CD mode, this button is used to change the repeat mode. While in Tuner mode, this button switches preset stations up.

**J** **VOLUME button (+ / −)**

Use this button to adjust the volume level.

**K** **I◄◄ / ►►I / TUNING buttons ( $\vee$ and $\wedge$ )**

When playing a CD, use this buttons to skip tracks. Holding down either button offers "cue" or "review" functions.
While in Tuner mode, these buttons are used to seach for broadcasts.

**L** **FUNCTION (TUNER, TAPE, CD)**

Use these buttons to select a source.
In TUNER mode, press the TUNER (BAND) button to select FM or AM.

**M** **OPEN/CLOSE button (▲)**

This opens and closes the CD compartment lid while in CD mode.

**N Play/pause button (►/II)**

Press this button to start and pause playing CD.

**O Stop button**

Stops the CD play.

**P Remote sensor**

To control the unit from the remote, point it at this spot.

## Remote Control

**Q Numeric buttons**

They are used to directly access preset stations while in TUNER mode, or tracks while in CD mode.

**R INTRO CHECK button**

This button offers a 10-second intro-scan through CD tracks.

**S FM MODE button**

In Tuner mode, puts the tuner into mono mode typically to reduce noise in weak FM stereo signals.

**T SHUFFLE button**

Use this button to play all tracks on the CD at random.

**U MUTING button**

Cuts the output to the speakers or headphones.

**Note:**

To simplify explanations, instructions refer to names of buttons and controls on the front panel, making no mention of the use of remote control unit.

## In the Display of the Main Unit

**V Indicators**



1) When the current time is displayed:
a solid "TIMER ON" reminds you that a timer-controlled power-on time is set and in effect. Similarly with "TIMER OFF".

2) When you switch the time mode to show preset timer-on or -off times:
the "TIMER" in "TIMER ON" or in "TIMER OFF" blinks.
(More of TIMER ON OFF later)
"STEREO" indicator lights when tuned in to a stereo FM station.
"SHUFFLE" indicator lights when a CD is in shuffle play.
"INTRO" indicator lights when a CD is in intro play.
"FM" or "AM" indicators light when the unit is in Tuner mode.
"REPEAT" lights when a CD is playing in Repeat mode.
"CH" refers to a preset radio channel number.
"TRACK" refers to a CD track number.
"REMAIN" indicator lights when a CD is playing and the remaining playtime is displayed. (The remaining time indication is accessed via the TIME MODE switch.)
"FLAT", "ROCK", "JAZZ", "POP" or "CLASSIC" indicators are lit as selected by the EEPS switch.

**RESET switch**

In the following cases, function buttons may not work properly.

When the system is damaged by some electrical shock.
When the power is irregular or has electrical noises.

In these cases, press the RESET switch once or twice with a pencil or a ball-point pen lightly.



(On the rear panel)
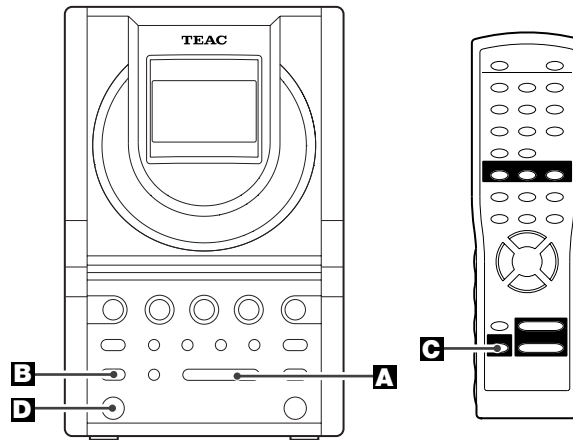
## A Adjusting the volume
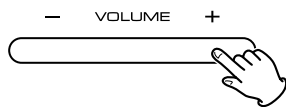


The volume is adjustable from 00 to 40 using the VOLUME buttons. You can hold down the – or + buttons to reduce or bring up the volume continuously.

## B EEPS (Electronic EQ Preset System)
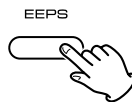


To enjoy different sound, press the EEPS button.

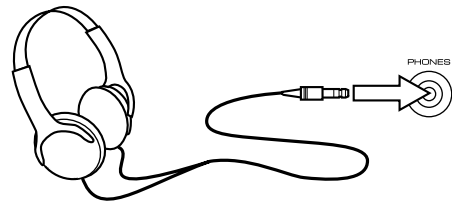Every time the EEPS button of the remote control unit is pressed, the mode is changed as follows:

```
→ ROCK
  ↓
  JAZZ
  ↓
  POP
  ↓
  CLASSIC
  ↓
  FLAT (off)
```

## C Muting



To cut the sound temporarily, press the MUTING button. Press the MUTING button again to restore the sound. If you change the volume during the muting, the muting will be canceled.

## D Listening through headphones



Insert the headphone plug into the PHONES jack, and adjust the volume. The sound from speakers will be cut off.
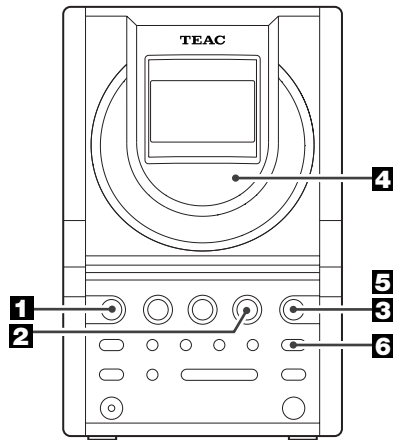
**1** Press the POWER switch to turn the unit ON.

POWER
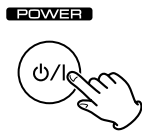


**2** Press the CD button to get "DISC" displayed.



**3** Press the OPEN/CLOSE button (▲) to open the disc compartment lid.

OPEN/CLOSE



**4** Put a disc in place with the printed label facing you.



**Notes**

● Push the disc until it clicks in so that it securely seats on the spindle.
● Never set more than one disc.
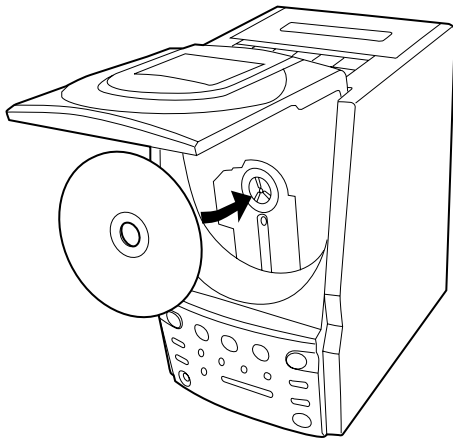
**5** Press the OPEN/CLOSE button again to close the lid.

OPEN/CLOSE



● A moment later, the display shows the total playback time and the total number of tracks on the disc.

**6** Press the PLAY/PAUSE button (▶/❙❙) to start playback.

▶/❙❙
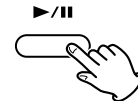


Playback starts from the first track.
When the playback of all the tracks has been finished, the unit stops automatically.

*11*
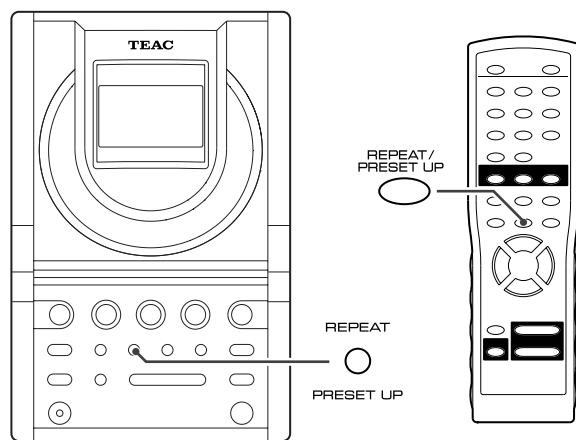
As you press the REPEAT button, "REPEAT" blinks, turns on solid and then goes out, the mode changing as follows:

REPEAT — repeat one track

↓

REPEAT — repeat all the tracks

↓

(gone out: off)
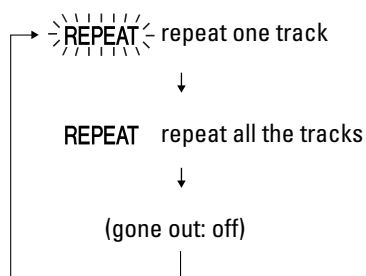
## Repeat one track

Press the REPEAT button once during playback. The repeat indicator blinks.
The track being played will be played repeatedly. If you press the skip button (I◄◄ / ►►I) and select another track, the track you selected will be played repeatedly.

It is also possible to select a track to be repeated in the stop mode. Press the REPEAT button and then select a track by pressing the skip button (I◄◄ / ►►I) or a numeric button. Press the play/pause button (►/II) to start playback.

## Repeat All the Tracks

All the tracks of the disc will be played repeatedly.
Press the REPEAT button twice. The repeat indicator lights steadily.
● During program playback, only the programmed tracks will be played in order repeatedly.
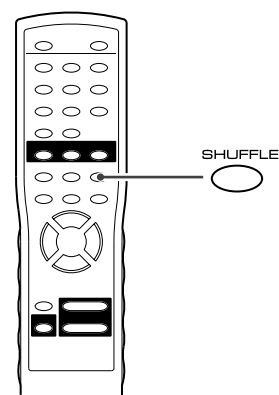
**Tracks can be played randomly.**
If "REPEAT" is blinking to indicate that the single track repeat function is activated, press the REPEAT button to get the indicator lit steadily or gone out.

**Press the SHUFFLE button and "SHUFFLE" is indicated in the display.**
**To start shuffle playback, press the play/pause button (►/II).**

● If you press the forward skip button (►►I) during shuffle play, another track is randomly selected and is played.

● If you press the backward skip button (I◄◄) during shuffle play, the currrent track is again played from the beginning.

● If you press the REPEAT button during shuffle play to let "REPEAT" blink, the current track is played repeatedly.

● To stop shuffle play, press the stop button (■).

● To turn the SHUFFLE mode off, press the SHUFFLE button.

MEMORY / TIME SET

SKIP (I◄◄/►►I)
PLAY/PAUSE (►/II)
STOP (■)
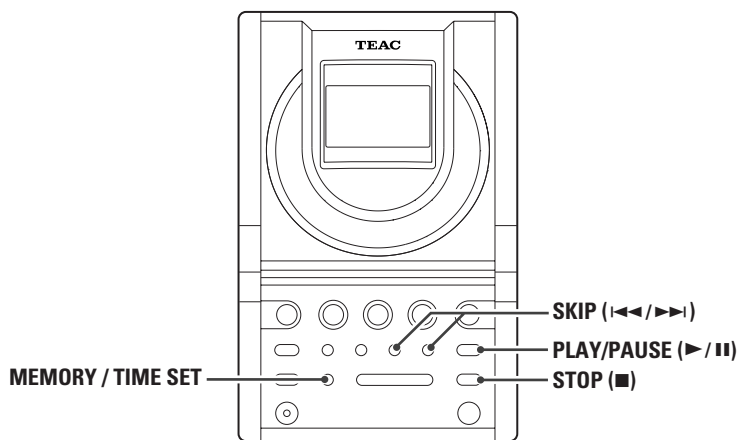
**Up to 16 tracks can be programmed in the desired order.**

● Shuffle playback does not work during program playback.
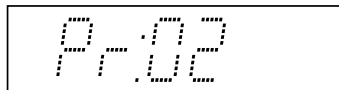
**1 Press the MEMORY button in the stop mode.**
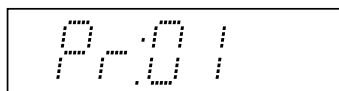


"Pr:01" is displayed, along with "MEMORY."

**2 Press the skip button (I◄◄ or ►►I) to select a track.**
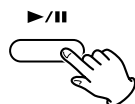


**3 Press the MEMORY button.**



The track is programmed and "Pr:02" is displayed.

Repeat steps **2** and **3** to program more tracks.
● You can program up to 16 tracks.
● To cancel the programming, press the STOP button (■). All the tracks you have programmed so far are cleared from memory.

**4 When the selection of track numbers is completed, press the PLAY/PAUSE button (►/II) to start program playback.**



The programmed contents are kept in memory even after you have switched the unit into the TUNER or TAPE modes or the power is turned off.

**A To check the programmed order**



In the stop mode, press the MEMORY button repeatedly. The track number will be shown on the display.

**B To add a track to the end of the program**
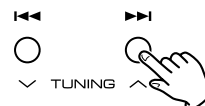


In the stop mode, press the MEMORY button repeatedly until "- -" is displayed to the right of a program number.
Select a track number by pressing the skip button (I◄◄/►►I) and then press the MEMORY button.
The track is added to the end of the program.

**C To overwrite the program**



In the stop mode, press the MEMORY button repeatedly until the track number to be changed appears on the display.
Select a new track number by pressing the skip button (I◄◄/►►I) and then press the MEMORY button.

**D To clear the program**

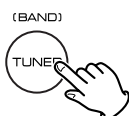To clear the programmed contents, press the STOP button (■) in the stop mode.

Pressing the OPEN/CLOSE button also clears the programmed contents.

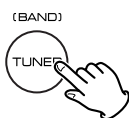● If the unit is disconnected from the power supply, the programmed contents will be cleared.

## Listening to Radio Programs
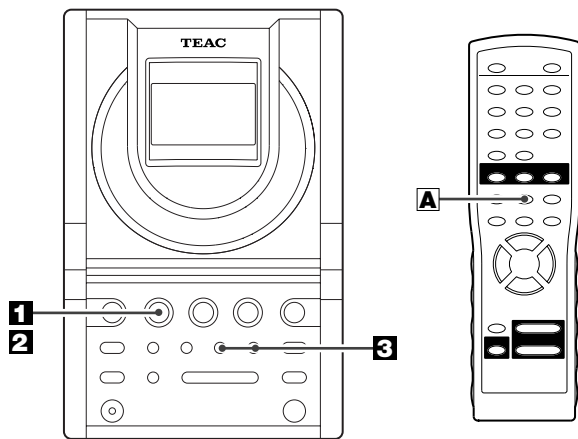


**1** **Press the TUNER (BAND) button.**

(BAND)
TUNER

**2** **To select the band (AM or FM), press the TUNER (BAND) button again.**

(BAND)
TUNER

**3** **Select a station.**

I◄◄     ►►I

∨ TUNING ∧

Hold down the TUNING button ( ∨ or ∧ ) for a while and release the button. When a station is tuned in, the tuning stops automatically.
Repeat this step until the desired station is found.
Press the TUNING button to stop the tuning.

● To select stations which cannot be tuned automatically, press the TUNING button repeatedly.
● "STEREO" is displayed when a stereo broadcast is tuned in.

**A** **If the reception is poor**

FM MODE

Press the FM MODE button.
The unit is turned to mono mode, but the reception will improve.

For a good reception, turn around the antenna so that you can get the stations clearly.

## Storing Preset Stations
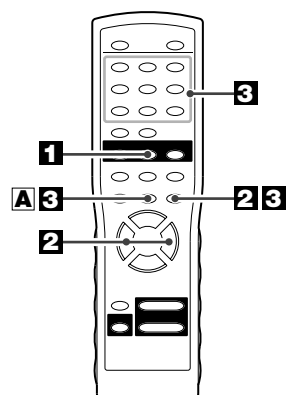


Up to 20 FM and 12 AM stations can be stored in preset memories.

**1** **Press the TUNER [BAND] button to select FM or AM.**

TUNER
(BAND)

**2** **Press the TUNING button and tune in a station to be stored as a preset station and then press the MEMORY/TIME SET button.**

I◄◄     ►►I                    MEMORY/
                              TIME SET

∨ TUNING ∧
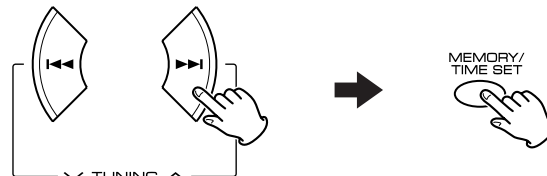
**3** **Select a preset channel to store the station by pressing the REPEAT/PRESET UP button or a numeric button, and then press the MEMORY/TIME SET button.**

REPEAT/        1  2  3
PRESET UP      4  5  6     or       MEMORY/
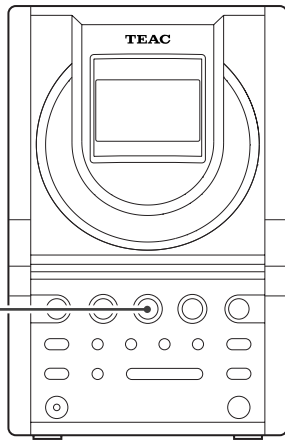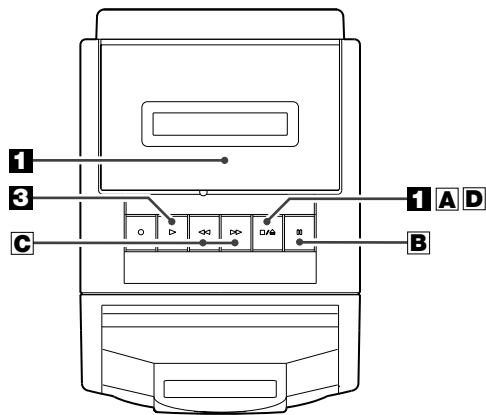               7  8  9              TIME SET
              +10  0
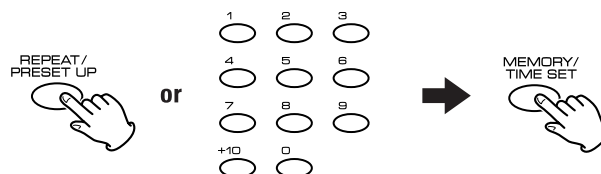
Remember not to overwrite a preset channel. It is wise of you to write down which stations are stored in which channels.

To store more stations, repeat steps **1** to **3**.

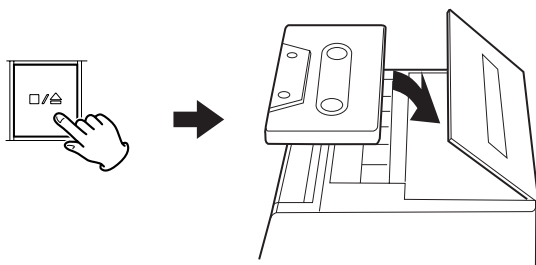**A** **How to select preset stations**

REPEAT/
PRESET UP

Press the PRESET UP button or numeric buttons to select a preset channel.

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The tape transport cannot be controlled from the remote control unit.
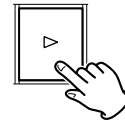
## **1** Insert a cassette tape.



Press the STOP/EJECT button to open the cassette holder, load a cassette with its exposed side facing you, and close the cassette holder by pushing it.
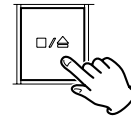
● You can use only normal(TypeI) tapes.

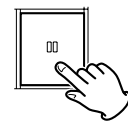## **2** Press the TAPE button to select "TAPE".
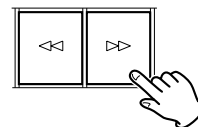


## **3** Press the PLAY button(►).



## **A** To stop playback



Press the STOP/EJECT button (■/▲) to stop playback.

## **B** To pause in the playback



Press the PAUSE button (▌▌). To resume playback, press the button again.
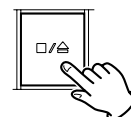
## **C** Fast forward and rewind



Press the F FWD (►► ) or the REW ( ◄◄ ) button.
Press the STOP/EJECT button (■/▲) to stop the fast forward or rewind operation.
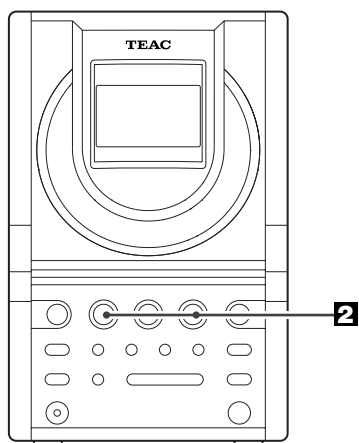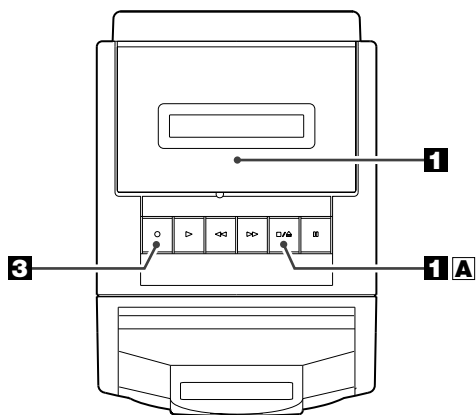
● When the tape is wound up to the end, be sure to press the STOP button to stop the unit.
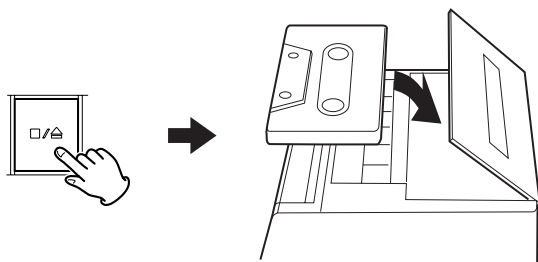
## **D** To take out the cassette tape



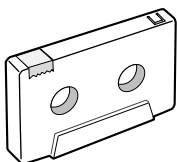Press the STOP/EJECT button (■/▲) to stop playback, then press the button again to open the cassette holder.

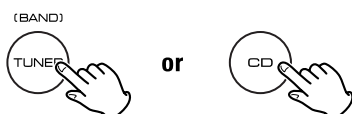**1 Load a recordable cassette tape into the cassette holder.**



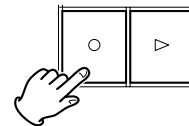● You can use only normal(TypeI) tapes.



If the safety tabs of the cassette tape have been broken off, cover the holes with adhesive tape.

**2 Select the source to be recorded by pressing the TUNER or the CD button.**



**3 Press the RECORD button(●).**



The RECORD button is locked to the PLAY button: When the RECORD button is pressed down, the PLAY button also is.

The recording starts.

● It is possible to record during Shuffle playback or program playback.

**A To stop recording**

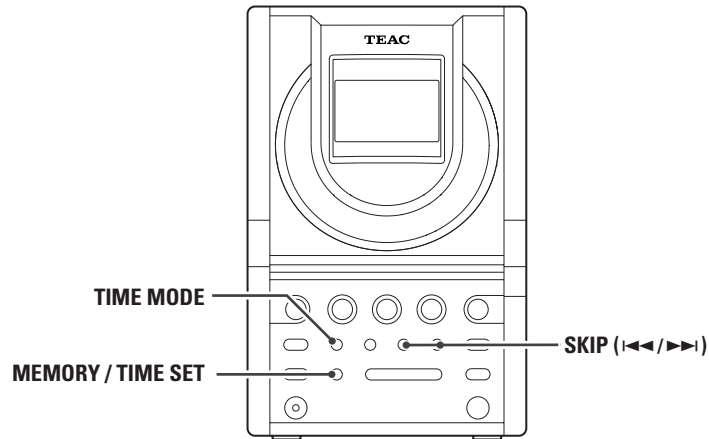Press the STOP/EJECT button(■/▲).
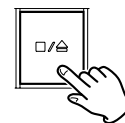


**B BEAT CUT switch**

If you hear an unusual sound while recording AM radio broadcasts, eliminate or suppress it by changing the position of the BEAT CUT switch on the rear panel.
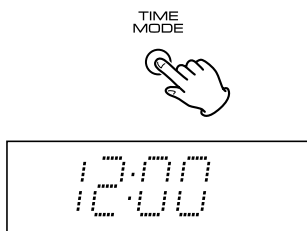
TIME MODE

MEMORY / TIME SET

SKIP (|◄◄/►►|)

The clock can be adjusted whether the unit is turned on or off.

**1 If the unit is turned on, press the TIME MODE button.**

You need to press the switch twice if a CD is currrently playing.



**2 Press the MEMORY/TIME SET button.**

The hours start blinking.
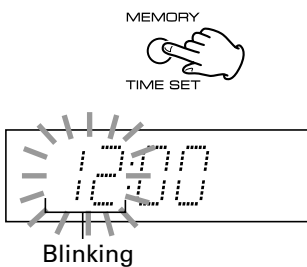


Blinking

**3 Press the skip/TUNING buttons as many times as necessary to enter the number of hours, and then press the MEMORY/TIME SET button.**

The minutes start blinking.



Blinking

**4 Similarly with the hours, press the skip/TUNING buttons as many times as necessary to enter the number of minutes, and then press the MEMORY/TIME SET button.**



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TIME MODE

MEMORY
TIME SET

SKIP
|◄◄/►►|

- The unit can be programmed to turn on at a specified time.
- The unit will automatically turn off 60 minutes after the specified time.
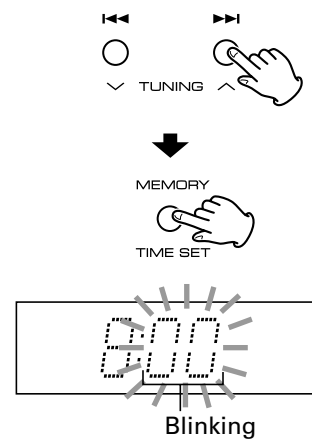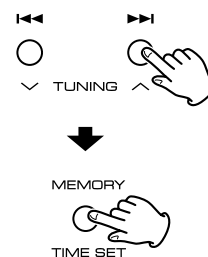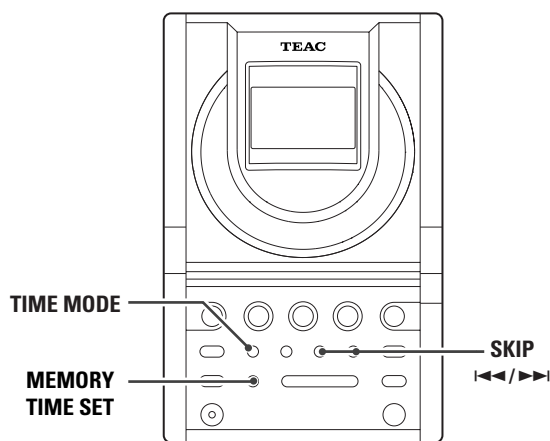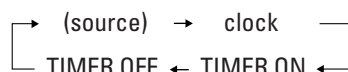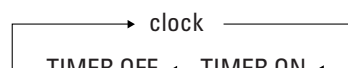- Adjust the clock before setting the timer.

**1 Press the TIME MODE button repeatedly until TIMER ON indicator appears on the display.**

Each time the TIME MODE button is pressed, the display is changed as follows:

**When the power is on:**

(source) → clock
TIMER OFF ← TIMER ON

**When the power is off:**

clock
TIMER OFF ← TIMER ON

**2 Press the MEMORY/TIME SET button.**

The "hour" value starts blinking.

**3 Set the start time (hour) by pressing the SKIP buttons, and press the MEMORY/TIME SET button.**

The "minutes" value starts blinking.

**4 Set the start time (minutes) by pressing the SKIP buttons, and press the MEMORY/TIME SET button.**

**5 Press the TIME MODE button.**

TIMER OFF indicator appears on the display.

- If you want to turn off the unit anytime within 60 minutes from the start time, you can set the off time, otherwise the unit will automatically turn off after 60 minutes. **If you aren't interested in setting the off time, proceed to step 6.**

1. Press the MEMORY/TIME SET button.
   The "hour" value starts blinking.

2. Set the off time (hour) by pressing the SKIP buttons, and press the MEMORY/TIME SET button.
   The "minutes" value starts blinking.

3. Set the off time (minutes) by pressing the SKIP buttons, and press the MEMORY/TIME SET button.

**6 Press the TIME MODE button.**

Now the timer setting has been finished, and "TIMER" and "ON" lights on the display.

## Timer Playback

**1 Set the start time.**

**2 Select a source by pressing the CD, TUNER or TAPE button.**

Prepare the source. When you select "TUNER", be sure a station is tuned in.

**3 Press the POWER switch to turn the unit off (standby).**

When "TAPE" is selected, press the PLAY button of TAPE and leave it depressed. The unit will turn on at the specified time and the tape will begin playing.

## Timer Recording

**1 Set the start time.**

**2 Load a recordable cassette tape into the cassette holder.**

**3 Select a source to be recorded by pressing the CD or TUNER button.**

- Do not select "TAPE". You will record to the tape from either a CD or the tuner so select the source you wish to record FROM.
- When you select "TUNER", be sure the proper station is tuned.

**4 Press the POWER switch to turn the unit off (standby).**

**5 Press the RECORD button.**

The unit will turn on and start recording at the specified time.

## To turn OFF the timer feature

**1 Press the TIME MODE button repeatedly until "TIMER" and "ON" (or "TIMER" and "OFF") appears on the display.**

While "ON" or "OFF" lights steadily, "TIMER" blinks.

**2 Press the TIMER button.**

"TIMER" and "ON" (or "TIMER" and "OFF") start blinking.

Each time the TIMER button is pressed, the timer mode is changed as follows:

blinking "TIMER" and blinking "ON" : timer is inactive.
blinking "TIMER" and solid "ON" : timer is active.

**3 Press the TIME MODE button once or twice to display the clock (or current source).**

"TIMER" and "ON" (or "TIMER" and "OFF") go off.

# Trouble Shooting

In case of trouble with the unit, please take the trouble to look through this chart and see if you can solve the problem yourself before you call your dealer or TEAC service center.

## General

**No power**
➡ Check the connection to the AC power supply.

**No sound from speakers.**
➡ Check the connection to the speakers.
➡ Adjust the volume.
➡ Select proper source.
➡ Pull out the headphones' plug from PHONES jack.
➡ If muting is on, press the MUTING button.

**The sound is noisy.**
➡ The unit is too close to a TV set or similar appliances. Install the unit apart from them, or turn them off.

**The power to the unit suddenly turns off.**
➡ When the timer function is active, the power automatically turns off after 60 minutes (see page 18).

## Remote Control Unit

**Remote control doesn't work.**
➡ If the batteries are exhausted, change the batteries.
➡ Use remote control unit within the range (5m/15ft) and point at the front panel.
➡ Clear obstacles between the remote control unit and the main unit.
➡ If a fluorescent light is near the unit, put it off.

## Cassette Tape Deck

**The cassette holder cannot be closed.**
➡ Insert a cassette tape securely with its exposed side facing you.

**No sound. Sound is distorted or noisy.**
➡ If a blank tape is loaded, replace it with a prerecorded tape.
➡ Clean and demagnetize the heads.

**Cannot record.**
➡ If the safety tabs of the cassette tape have been broken off, cover the holes with adhesive tape.
➡ Clean and demagnetize the heads.
➡ Use normal(TypeI) tapes.

## Tuner

**Cannot listen to any station, or signal is too weak.**
➡ Tune in the station properly.
➡ If a TV is near the unit, put it off.
➡ Re-orient the antenna until reception improves.

**Though the broadcast is stereo, it sounds monaural.**
➡ Press the FM MODE button.

## CD Player

**Cannot play.**
➡ Load a disc with label side facing you.
➡ If the disc is dirty, clean the surface of the disc.

**One track is played repeatedly.**
➡ Press the REPEAT button to cancel the repeat mode.

**Sound skips.**
➡ Place the unit on a stable place to avoid vibration and shock.
➡ If the disc is dirty, clean the surface of the disc.
➡ Don't use scratched, damaged or warped discs.

# Specifications

## CD Player

Pickup . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 3-beam pick-up
Wavelength . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 790 nm
Audio frequency response . . . . . . . . . . . . . . . . . . . 20 Hz ~ 22 kHz

## Cassette deck

Track System . . . . . . . . . . . . . . . . . . . . . 4-track 2-channel stereo
Tape Speed . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 4.76 cm/sec
Wow and Flutter . . . . . . . . . . . . . . . . . . . . . . . . . . . 0.4 % or less

## Tuner

System . . . . . . . . . PLL quartz-locked digital synthesizer system
FM tuning range. . . . . . . . . . . 87.50 ~ 108.00 MHz (100 kHz step)
AM tuning range. . . . . . . . . . . . . . . 530 ~ 1,710 kHz (10 kHz step)
Antenna . . . . . . . . . . . . . . . . . . . . . . . . . . . . . FM pigtail antenna
AM bar antenna (built-in)

## General

Output power . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 15 W x 2
Power requirements . . . . . . . . . . . . . . . . . . . . . . . 120 V AC, 60 Hz
Power consumption . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 40 W
Dimensions (WxHxD)
5-7/8" x 9-3/16" x 8-3/4" (150 x 233 x 223 mm)
Weight . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 6-13 /16 lb (3.1 kg)
Supplied accessories . . . . . . . Remote control unit (RC-909) x 1

## Speaker

System . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2-way
Impedance . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 4 ohm
Dimensions (WxHxD)
5-3/4" x 9-3/16" x 7-7/8" (146 x 233 x 200 mm)
Weight . . . . . . . . . . . . . . . . . . . . . . . . . . . . 4-3/16 lb (1.9 kg)x 2

● Design and specifications are subject to change without notice.
● Illustrations may differ slightly from production models.

# TEAC

This appliance has a serial number located on the rear panel. Please record
the model number and serial number and retain them for your records.

Model number                    Serial number

0203·MA-0779A